



RELIABLE. POWERFUL. MADE IN AMERICA. CLIPPERCREEK, INC.

BATTERY ELECTRIC VEHICLES

Updated 20180802\_VG

# COST TO CHARGE

Battery Sizes were obtained using manufacturer websites. This chart does not take into account the usable battery percentage (this means it may cost less to charge your vehicle from empty to full if the usable battery percentage is less than the battery size).

VEHICLE	BATTERY SIZE (kWh)	COST TO CHARGE \$0.1315** PER kWh	EXPECTED ELECTRICAL MILES ON A CHARGE PER EPA	ESTIMATED GAS EQUIVALENT COST FOR AVERAGE US LIGHT DUTY (22 MPG AT \$2.857)***	AVERAGE SAVINGS PER CHARGE (COMPARED TO GAS)
BMW ActiveE	32	\$4.21	94	\$12.21	\$8.00
BMW i3 2014-2016	23	\$3.02	81	\$10.52	\$7.50
BMW i3 2017 (60 Ah)	23	\$3.02	82	\$10.65	\$7.63
BMW i3 2017 (90 Ah)	32	\$4.21	114	\$14.80	\$10.59
Chevy Bolt	60	\$7.89	238	\$30.91	\$23.02
Chevy Spark	23	\$3.02	82	\$10.65	\$7.63
Coda	31	\$4.08	88	\$11.43	\$7.35
Fiat 500E	24	\$3.16	87	\$11.30	\$8.14
Ford Focus EV	23	\$3.02	76	\$9.87	\$6.85
Ford Focus EV 2017	33.5	\$4.41	115	\$14.93	\$10.52
Honda Clarity	25.5	\$3.35	89	\$11.56	\$8.21
Hyundai Ioniq	28	\$3.68	105	\$13.64	\$9.96
Jaguar I-PACE	90	\$11.84	240	\$31.17	\$19.33
Kia Soul	27	\$3.55	93	\$12.08	\$8.53
Mercedes B Class	28	\$3.68	87	\$11.30	\$7.62
Mitsubishi i-MiEV	16	\$2.10	62	\$8.05	\$5.95
Nissan Leaf 2011-2015 (2016 S Model)	24	\$3.16	79	\$10.26	\$7.10
Nissan Leaf 2016 SL and SV	30	\$3.95	107	\$13.90	\$9.95
Nissan Leaf 2017 S, SL and SV	30	\$3.95	107	\$13.90	\$9.95
Nissan Leaf 2018 S, SL and SV	40	\$5.26	150*	\$19.48	\$14.22
Smart Car	17.6	\$2.31	68	\$8.83	\$6.52
Smart ForTwo	17.6	\$2.31	80	\$10.39	\$8.08
Tesla Model 3 Standard	50	\$6.58	220	\$28.57	\$21.99
Tesla Model 3 Long Range	70	\$9.21	310	\$40.26	\$31.05
Tesla Model S 60 Single Charger	60	\$7.89	208	\$27.01	\$19.12
Tesla Model S 70 Single Charger	70	\$9.21	235	\$30.52	\$21.31
Tesla Model S 75 & 75D	75	\$9.86	259	\$33.63	\$23.77
Tesla Model S 85 Single Charger	85	\$11.18	265	\$34.41	\$23.23
Tesla Model S 90 Single Charger	90	\$11.84	276	\$35.84	\$24.00
Tesla Model S 100D & P100D	100	\$13.15	315	\$40.91	\$27.76
Tesla Model S 60 Dual Charger	60	\$7.89	208	\$27.01	\$19.12
Tesla Model S 70 Dual Charger	70	\$9.21	235	\$30.52	\$21.31
Tesla Model S 85 Dual Charger	85	\$11.18	265	\$34.41	\$23.23
Tesla Model S 90 Dual Charger	90	\$11.84	276	\$35.84	\$24.00
Tesla Model X 60	60	\$7.89	200	\$25.97	\$18.08
Tesla Model X 75 & 75D	75	\$9.86	237	\$30.78	\$20.92
Tesla Model X 90	90	\$11.84	257	\$33.37	\$21.53
Tesla Model X 100D & P100D	100	\$13.15	289	\$37.53	\$24.38
Tesla Roadster	56	\$7.36	245	\$31.82	\$24.46
Toyota Rav4	41.8	\$5.50	103	\$13.38	\$7.88
VW e-Golf (before 2017)	24	\$3.16	83	\$10.78	\$7.62
VW e-Golf 2017	35.8	\$4.71	83	\$10.78	\$6.07

\*NOT confirmed with EPA (Dept. of Energy - Fuel Economy)

\*\*Price Referencing National Residential Average Price per kWh as of May 2018 (US EIA - Electric Power Monthly)

\*\*\*Using Average Fuel Efficiency of Light-Duty Vehicle in US 2015 and Average Cost per Gallon of Regular Unleaded as of July 2018 (Dept. of Trans. Average MPG & Dept. of Energy Fuel Update)



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VEHICLE	BATTERY SIZE (kWh)	COST TO CHARGE \$0.1315** PER kWh	EXPECTED ELECTRICAL MILES ON A CHARGE PER EPA	ESTIMATED GAS EQUIVALENT COST FOR AVERAGE US LIGHT DUTY (22 MPG AT \$2.857)***	AVERAGE SAVINGS PER CHARGE (COMPARED TO GAS)
Audi A3 E-Tron	8.8	\$1.16	17	\$2.21	\$1.05
BMW 330e	7.6	\$1.00	14	\$1.82	\$0.82
BMW 530e	9.2	\$1.21	19	\$2.47	\$1.26
BMW 740e	9.2	\$1.21	14	\$1.82	\$0.61
BMW i8	7.1	\$0.93	15	\$1.95	\$1.02
BMW X5 xDrive 40e	9	\$1.18	14	\$1.82	\$0.64
Cadillac CT6	18.4	\$2.42	31	\$4.03	\$1.61
Cadillac ELR	16.5	\$2.17	38	\$4.93	\$2.76
Chevy Volt 2010-2016	16.5	\$2.17	53	\$6.88	\$4.71
Chevy Volt 2017	18.4	\$2.42	53	\$6.88	\$4.46
Chrysler Pacifica	16	\$2.10	33	\$4.29	\$2.19
Fisker Karma	20	\$2.63	33	\$4.29	\$1.66
Ford C Max Energi	7.6	\$1.00	20	\$2.60	\$1.60
Ford Fusion Energi	7.6	\$1.00	21	\$2.73	\$1.73
Honda Accord	6.7	\$0.88	13	\$1.69	\$0.81
Honda Clarity Plug-In Hybrid	17	\$2.24	47	\$6.10	\$3.86
Hyundai Ioniq Plug-In Hybrid	8.9	\$1.17	29	\$3.77	\$2.60
Hyundai Sonata	9.8	\$1.29	27	\$3.51	\$2.22
Karma Revero	21.4	\$2.81	50*	\$6.49	\$3.68
Kia Niro	8.9	\$1.17	26	\$3.38	\$2.21
Kia Optima	9.8	\$1.29	29	\$3.77	\$2.48
Mercedes C350 Hybrid	6.2	\$0.82	19	\$2.47	\$1.65
Mercedes GLC 350e	8.7	\$1.14	21	\$2.73	\$1.59
Mercedes GLE 550e	8.8	\$1.16	19	\$2.47	\$1.31
Mercedes S550 Hybrid	8.7	\$1.14	14	\$1.82	\$0.68
MINI Cooper S E Countryman ALL4	7.6	\$1.00	24	\$3.12	\$2.12
Mitsubishi Outlander PHEV	12	\$1.58	33*	\$4.29	\$2.71
Porsche Cayenne S E-Hybrid	10.8	\$1.42	14	\$1.82	\$0.40
Porsche Panamera S E-Hybrid	9.4	\$1.24	16	\$2.08	\$0.84
Porsche Panamera 4 E-Hybrid	14.1	\$1.85	31	\$4.03	\$2.18
Porsche 918 Spyder	6.8	\$0.89	12	\$1.56	\$0.67
Toyota Prius EV	4.4	\$0.58	11	\$1.43	\$0.85
Toyota Prius Prime EV	8.8	\$1.16	22	\$2.86	\$1.70
VIA Motors Truck	23	\$3.02	40	\$5.19	\$2.17
VIA Motors Van	23	\$3.02	40	\$5.19	\$2.17
Volvo V60	11.2	\$1.47	27	\$3.51	\$2.04
Volvo S90 T8	10.4	\$1.37	21	\$2.73	\$1.36
Volvo XC60 T8	10.4	\$1.37	18	\$2.34	\$0.97
Volvo XC90 T8	9.2	\$1.21	14	\$1.82	\$0.61

PLUG-IN HYBRID ELECTRIC VEHICLES

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